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|---|------------------------------|----------------------|---------------------|------------------|
| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
| 10/517,139 | 12/07/2004 | Yuji Yasui | 59243.00010 | 6861 |
| 32294 7590 01/24/2008 SQUIRE, SANDERS & DEMPSEY L.L.P. | | | · EXAMINER | |
| 14TH FLOOR | | | HOANG, JOHNNY H | |
| 8000 TOWERS | S CRESCENT RNER, VA 22182 | | ART UNIT | PAPER NUMBER |
| 1150115 001 | CIVER, VILLETOE | | 3747 | |
| | | | | |
| | | · | MAIL DATE | DELIVERY MODE |
| | | | 01/24/2008 | PAPER |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| | Application No. | Applicant(s) | | | | |
|--|--|---|--|--|--|--|
| | 10/517,139 | YASUI ET AL. | | | | |
| Office Action Summary | Examiner | Art Unit | | | | |
| · | Johnny H. Hoang | 3747 | | | | |
| The MAILING DATE of this communication app | | | | | | |
| Period for Reply | | | | | | |
| A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DATE of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period value to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). | ATE OF THIS COI 36(a). In no event, howev will apply and will expire S c, cause the application to | MMUNICATION. ver, may a reply be timely filed IX (6) MONTHS from the mailing date of this communication. become ABANDONED (35 U.S.C. § 133). | | | | |
| Status | | | | | | |
| 1) Responsive to communication(s) filed on <u>07 De</u> | <u>ecember 2004</u> . | | | | | |
| 2a) This action is FINAL . 2b) This | This action is FINAL. 2b) This action is non-final. | | | | | |
| | Since this application is in condition for allowance except for formal matters, prosecution as to the merits is | | | | | |
| closed in accordance with the practice under E | Ex parte Quayle, 1 | 935 C.D. 11, 453 O.G. 213. | | | | |
| Disposition of Claims | | | | | | |
| 4) Claim(s) 1-114 is/are pending in the application 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-114 are subject to restriction and/or | wn from considera | | | | | |
| Application Papers | | | | | | |
| 9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Example 11. | epted or b) objed or b) object of a color of the discount of the discount of the object of the objec | n abeyance. See 37 CFR 1.85(a). drawing(s) is objected to. See 37 CFR 1.121(d). | | | | |
| Priority under 35 U.S.C. § 119 | | | | | | |
| 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the prio application from the International Burear * See the attached detailed Office action for a list | s have been recei s have been recei rity documents ha u (PCT Rule 17.2(| ved. ved in Application No ve been received in this National Stage a)). | | | | |
| Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date | 5) <u> </u> | Interview Summary (PTO-413) Paper No(s)/Mail Date Notice of Informal Patent Application Other: | | | | |

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DETAILED ACTION

Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claims 1-4, 39-42 and 77-80

Group II, claims 5-7, 43-45 and 81-83

Group III, claims 8-9, 46-47 and 84-85

Group IV, claims 10, 48, and 86

Group V, claims 11-17, 49-55 and 87-93

Group VI, claims 18-20, 56-59, and 94-97

Group VII, claims 22-24, 60-62 and 98-100

Group VIII, claims 25-26, 63-64 and 101-102

Group IX, claims 27, 65, and 103

Group X, claims 28-38, 66-76 and 104-114.

2. The inventions listed as Groups I to X do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

The technical feature common to the ten groups of inventions is temperature control of an exhaust gas sensor disposed in an exhaust gas passage of an internal combustion engine and having an element part in contact with the exhaust gas flowing through the exhaust gas passage and a heater for heating the element part.

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However, the international search has revealed that this common technical feature is not novel since it is disclosed in the documents cited in this international search report.

Consequently, the common feature is not a special technical feature within the meaning of PCT Rule 13.2, second sentence, since it makes no contribution over the prior art.

Therefore, there is no feature common to all the claims.

Since there exits no other common feature which can be considered as a special technical feature within the meaning of PCT Rule 13.2, second sentence, no technical relationship within the meaning of PCT Rule 13 between the different inventions can be seen.

Consequently, it appears that the ten groups of inventions I to X do not satisfy the requirement of unity of invention.

3. Further, the inventions of Groups I-X are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct if they do not overlap in scope and are not obvious variants, and if it is shown that at least one subcombination are separately usable. See MPEP § 806.05(d).

The examiner has required restriction between subcombinations usable together. Where applicant elects a subcombination and claims thereto are subsequently found allowable, any claim(s) depending from or otherwise requiring all the limitations of the allowable subcombination will be examined for patentability in accordance with 37 CFR 1.104. See MPEP § 821.04(a). Applicant is advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application.

4. Because these inventions are independent or distinct for the reasons given above and there would be a serious burden on the examiner if restriction is not required because the

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inventions require a different field of search (see MPEP § 808.02), restriction for examination

purposes as indicated is proper.

5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the

inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the

currently named inventors is no longer an inventor of at least one claim remaining in the

application. Any amendment of inventorship must be accompanied by a request under 37 CFR

1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Johnny H. Hoang whose telephone number is (571) 272-4843.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Stephen K. Cronin can be reached on (571) 272-4536. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private

PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you

would like assistance from a USPTO Customer Service Representative or access to the

automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JHH

January 18, 2008

Johnny H. Hoang Examiner Art Unit 3747

Willis R. Wolfa
Primary Examiner
A→ + Vo: + 374)